

**PROJECT FACT SHEET  
CONSTRUCTION GENERAL**

**PROJECT NAME AND STATE:** Locks and Dams 2, 3 and 4 - Monongahela River, PA

**LOCATION AND DESCRIPTION:** Locks and Dams (L/D) 2, 3 and 4 are located within 50 miles of the "Point" in Pittsburgh. The authorized Lower Mon Project is a two-for-three improvement that will replace the 100-year old fixed-crest dam at L/D 2 with a gated dam (Braddock Dam) and replace the 70-year old, undersized Locks 4 with new twin 84'x720' locks. The 100-year old L/D 3 will be removed and a new navigation pool will be established that will be five-feet higher between Braddock and Elizabeth and 3.2-feet lower between Elizabeth and Charleroi. The project will adjust all municipally owned facilities adversely affected by these river level changes and dredge existing Pool 3. In addition, the Port Perry Railroad Bridge crossing at river mile 11.7 will be adjusted to accommodate the higher pool level under a cost sharing contract with Norfolk Southern Railroad. Construction delays fail to reduce risks associated with continued reliance and use of existing L/D 3 and Locks 4. A structural failure would cause a loss in transportation savings of over \$200 million/year. Delays increase the cost of work by about 2.7%/year for inflation and result in continued transportation inefficiencies of about \$30 million/year. Each year the project is delayed, \$1.5 million of Operations and Maintenance funds must be used to continue L/D 3 in service.

<b>TOTAL PROJECT COST:</b>	\$ 775,000,000
<b>Total Federal Cost:</b>	\$ 775,000,000
<b>Total Non-Federal Cost:</b>	\$ 0

**NON-FEDERAL SPONSOR:** The project is funded equally from General Appropriations from the U.S. Treasury and from the Inland Waterways Trust Fund.

**CURRENT STATUS:** The new Braddock Dam is being constructed from two large pre-fabricated concrete segments that were floated into place above, and set down upon, a pre-constructed foundation system of sheet-pile cut-off walls and large diameter drilled shafts. The segments placed in-the-wet form the base of the new dam, which is now being constructed above the water from floating plant. This in-the-wet technology is expected to save about \$5 million and reduce construction time by one year over traditional cofferdam construction. Approximately \$150 million of project construction has been undertaken through FY 2003, including the \$107.4 million Braddock Dam contract, prior improvements at L/D 2 in preparation for the new gated Braddock Dam, approach dikes for the new Charleroi Locks, an initial Pool 3 dredging contract and relocations for West Elizabeth, Elizabeth, Dravosburg, Glassport, Charleroi and Mon Valley Sewage. A \$7.9 million site development contract is underway at Charleroi. FY 2003 funds will be used for ongoing construction and relocation contracts, to award a contract for the demolition of the Charleroi river chamber, and to finalize plans and specifications for the new Charleroi Locks. A Request for Proposal for the Charleroi River Chamber Demolition Contract was issued on June 5, 2003. A Pre-Proposal conference was held on June 20, 2003.

**AUTHORIZATION:** Water Resources Development Act of 1992 (Public Law 102-580)

**CONGRESSIONAL INTEREST:** Hart (PA-4), Murtha (PA-12), Doyle (PA-14), Murphy (PA-18)

**POC:** Henry A. Edwardo, P.E., Project Manager, (412) 395-7374